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| Year | | Mathematics Test  Integers | **Non Calculator**  **Test** | |
|  | | Name |  | |
| **Answer all questions in the spaces provided on this test paper by**  **Writing the answer in the box provided.**  **or**  **Shading in the bubble for the correct answer from the four choices provided.**  **Show any working out on the test paper.** | | | |
|  | Questions 1 – 4 refer to the scale which is located beside the spillway of a dam. It indicates the level of water above the spillway (+) and below the spillway (-).  The water levels in January over four years are shown. | | |
| 1. | How many metres did the water level rise from 2009 to 2010?  10 m 14 m 18 m 20 m | | |
| 2. | What was the change in water level form 2010 to 2011?  A fall of 1 metre. A fall of 8 metres  A fall of 9 metres. A fall of 10 metres | | |
| 3. | What was the change in water level form 2011 to 2012?  A of metres. | | |
| 4. | The water level fell by 6 metres from 2008 to 2009.  What was the water level in 2008?  metres. | | |
|  | Questions 5 – 8 refer to the statement below for Paulo’s bank account.     |  |  |  | | --- | --- | --- | | Date | Transaction | Balance | | 2 / 3 / 2012 | Opening Balance | $200 | | 4 / 3 / 2012 | Withdrawal of $300 | -$100 | | 10 / 3 / 2012 | Deposit of $300 | $200 | | 15 / 3 / 2012 | Deposit of $150 | $350 | | 18 / 3 / 2012 | Withdrawal of $300 |  | | 20 / 3 / 2012 | Withdrawal of $250 |  | | 24 / 3 / 2012 |  |  | | | |
| 5. | What is the balance on 18 / 3 / 2011? | | |
| 6. | What is the balance on 20 / 3 / 2011? | | |
| 7. | On the 24 / 3 / 2012 Paulo makes a transaction that brings the balance to -$400.  What was the transaction?  of $ | | |
| 8. | Later in the year his account showed the following.     |  |  |  | | --- | --- | --- | | 28 / 4 / 2012 | Opening balance |  | | 30 / 4 / 2012 | Deposit of $350 | $120 |   What was the opening balance?  $ | | |
| 9. | -5 5 -19 19 | | |
| 10. |  | | |
| 11. |  | | |
| 12. |  | | |
| 13. |  | | |
| 14. |  | | |
| 15. |  | | |
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| 20. |  | | |
| 21. |  | | |
| 22. |  | | |
| 23. |  | | |
| 24. |  | | |
| 25. | The numbers  are marked on the number line below. What is the third number (labelled *A*) which is marked on the number line? | | |
| 26. | Mark the numbers  on the number line below. | | |
| 27. | What number is halfway between on the number line? | | |
| 28. | Re-write the numbers in ascending order. | | |
| 29. | Which statement is correct? | | |
| 30. | Write the next two numbers in the number pattern. | | |
| 31. | The maximum temperature at Milltown on Monday was 14oC at 2 pm.  It then fell by 16 oC to the minimum overnight temperature, and then rose by 20 oC to the maximum at 3 pm on Tuesday.  What was the maximum temperature on Tuesday? | | |
| 32. | Adam is 5 m to the left of Billie and Dexter is 13 m to the right of Billie. Charlie is halfway between Adam and Dexter. Where is Charlie relative to Billie?  Charlie is metres to the o Billie. | | |

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| Year | | Mathematics Test  Integers | **Non Calculator**  **Test** | |
|  | | ANSWERS |  | |
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| 5. | What is the balance on 18 / 3 / 2011? | | |
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| 8. | Later in the year his account showed the following.     |  |  |  | | --- | --- | --- | | 28 / 4 / 2012 | Opening balance |  | | 30 / 4 / 2012 | Deposit of $350 | $120 |   What was the opening balance?    $ | | |
| 9. | -5 5 -19 19 | | |
| 10. |  | | |
| 11. |  | | |
| 12. |  | | |
| 13. |  | | |
| 14. |  | | |
| 15. |  | | |
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| 26. | Mark the numbers  on the number line below. | | |
| 27. | What number is halfway between on the number line? | | |
| 28. | Re-write the numbers in ascending order.  20  0  -6  -9  -14 | | |
| 29. | Which statement is correct? | | |
| 30. | Write the next two numbers in the number pattern. | | |
| 31. | The maximum temperature at Milltown on Monday was 14oC at 2 pm.  It then fell by 16 oC to the minimum overnight temperature, and then rose by 20 oC to the maximum at 3 pm on Tuesday.  What was the maximum temperature on Tuesday? | | |
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